

METHOD FOR PREVENTING HIV-1 INFECTION OF CD4⁺ CELLS

Abstract of the Disclosure

5 This invention provides methods for inhibiting fusion of
HIV-1 to CD4⁺ cells which comprise contacting CD4⁺ cells
with a non-chemokine agent capable of binding to a
chemokine receptor in an amount and under conditions such
10 that fusion of HIV-1 to the CD4⁺ cells is inhibited. This
invention also provides methods for inhibiting HIV-1
infection of CD4⁺ cells which comprise contacting CD4⁺
cells with a non-chemokine agent capable of binding to a
chemokine receptor in an amount and under conditions such
15 that fusion of HIV-1 to the CD4⁺ cells is inhibited,
thereby inhibiting the HIV-1 infection. This invention
provides non-chemokine agents capable of binding to the
chemokine receptor and inhibiting fusion of HIV-1 to CD4⁺
cells. This invention also provides pharmaceutical
20 compositions comprising an amount of the non-chemokine
agent capable of binding to the chemokine receptor and
inhibiting fusion of HIV-1 to CD4⁺ cells effective to
prevent fusion of HIV-1 to CD4⁺ cells and a
pharmaceutically acceptable carrier.